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(71) Applicant (for all designated States except US): GEL-CORE LLC [US/US]; 6180 Halle Drive, Valley View, OH 44125-4635 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): RADKOV, Emil

[BG/US]; 26241 Lakeshore Boulevard, Apt. 670, Euclid, OH 44132 (US). SETLUR, Anant, A. [US/US]; 2081 Orchard Park, Niskayuna, NY 12309 (US).

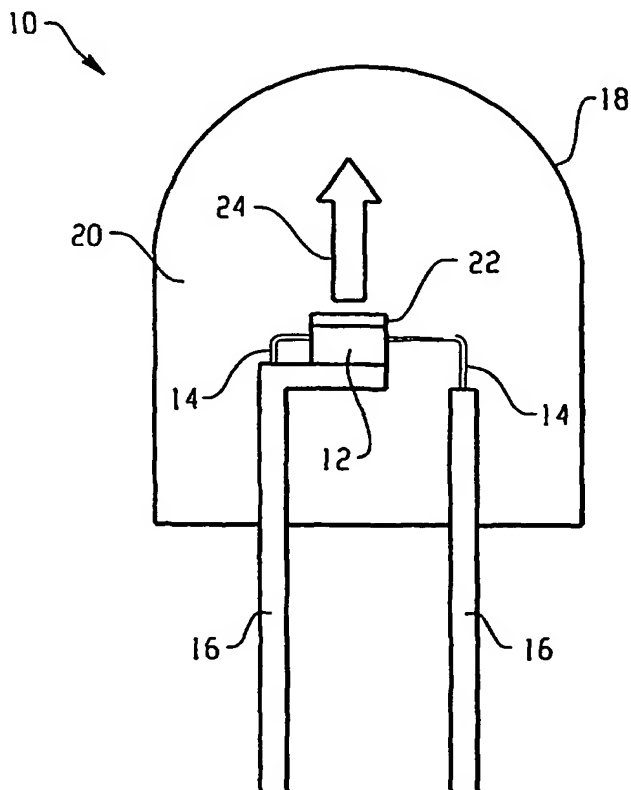
(74) Agents: McCOLLISTER, Scott, A. et al.; Fay, Sharpe, Fagan, Minnich & McKee, LLP, 1100 Superior Avenue, 7th floor, Cleveland, OH 44114 (US).

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(54) Title: FULL SPECTRUM PHOSPHOR BLENDS FOR WHITE LIGHT GENERATION WITH LED CHIPS



(57) Abstract: A light emitting device including a phosphor blend including four or more phosphors emitting within a specific spectral range to optimize the color rendering index (CRI) for a given color coordinated temperature (CCT). The blend will include at least four phosphors selected from the following: a blue phosphor having an emission peak at 400-500 nm, a green phosphor having an emission peak at 500-575 nm, an orange phosphor having an emission peak from 575-615 nm, and a deep red phosphor having an emission peak at 615-680 nm. The preferred blends are used to make light sources with general CRI values (R_a) greater than 95 at CCT's from about 2500 to 8000 K.



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